

INGE JONCKHEERE

Environmental Engineer

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PRIVATE ADDRESS

Brussels, Belgium

ACTUAL RESIDENCE

Rome, Italy

CURRENT WORKING ADDRESS

Food and Agriculture Organization (FAO) of the United Nations

REDD+ Group

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PERSONAL DATA

Date of birth	26 May 1977
Place of birth	Ghent, Belgium
Residence	Rome, Italy
Nationality	Belgian
Gender	Female

CURRENT POSITION

Jan 2010 – currently

Remote Sensing expert for REDD+, UN-REDD Programme FAO Team Leader Thematic Area 'National Satellite Land Monitoring Systems'

Forestry Department (FOAD), FAO of the United Nations (UN), Rome, Italy

EDUCATION

April 2005

PhD in Applied Bioscience Engineering – Land Use and Forest Monitoring

Doctoral thesis title: "Consistent determination of LAI and quantification of LAI in forest canopies based on digital hemispherical photography."

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering, Department of Land management, Geomatics Engineering Group

Promotors: Prof. P. Coppin and Prof. B. Muys

June 2000

M Sc in Environmental Engineering, option Land and Forestry management, cum laude.

Thesis title: "Relevance of Texture parameters in Remote Sensing applications with high spatial resolution."

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering, Department of Land management

Promotors: Prof. P. Coppin and Prof. H. Gulinck

July 1995

Latin-Mathematics

Lyceum Onze-Lieve-Vrouw-van-Vlaanderen, Kortrijk

EXPERIENCES ABROAD

November 2015	Teaching on RS, webportals and MRV, Paro, Bhutan
October 2014	Intensive teaching RS and Reference Levels, REDD+ Academy, Hanoi, VietNam
February 2013	Intensive teaching in RS and Earth Observation, REDD+ University, Arusha, Tanzania
March 2012	Co-organisation and preparation for the teaching on Monitoring & MRV aspects in the REDD+ context, REDD+ University, Calabar, Nigeria
September 2011	Organisation and support for the teaching on National Forest Monitoring for REDD+, CRA INPE, Belém, Brazil
June 2011	Intensive teaching on MRV aspects in the REDD+ context, REDD+ University, Lusaka, Zambia
September 2010	Intensive teaching in RS and Earth Observation at the Tanzanian Forestry Division, Mapping Unit of Dar es Salaam, Tanzania
November 2009	Research and teaching exchange at the Instituto de Desenvolvimento Florestal (IDF), Luanda, Angola
June 2009	Research exchange with the Sokoine University, Morogoro, Tanzania
August-September 2008	Research stay at the Ecology Department at the Earth Institute of the Columbia University, New York City, USA
June 2007	Research collaboration with the Smithsonian Tropical Research Institute (STRI), Panama City, Panama
July-August 2006	3rd ESA Envisat Summerschool: "Data assimilation" at ESA-ESRIN, Frascati, Italy
June 2005	VALERI Field campaign in collaboration with the University of Helsinki, Suonenjoki, Finland
October 2000- January 2001	Research concerning 'Greenways', funded by the Flemish Community, in collaboration with Università degli Studi di Milano, in the GIS laboratorium at the Istituto di Ingegneria di Milano, Italy
1998- 1999	Erasmus exchange program for first semester at the Università degli Studi di Milano, Italy

PREVIOUS WORK EXPERIENCES

May 2009 –Jan 2010	Visiting Scientific Expert - Remote Sensing for National Forest Monitoring and Assessment Programme (NFMA) Forestry Department, FAO HQ of the United Nations, Rome, Italy
May 2006 - May 2009	ESF-Science Programme Manager European projects-Environment EUROCORES Programme Coordinator for Environmental Sciences Overall Programme Coordinator for EuroDEEP, EuroDIVERSITY, EuroEEFG Programmes Responsible Science Officer for the CLIMMANI Research Networking Programme BiodiverSA, EUFAR FP6 and ERC Liaison Officer European Science Foundation, Strasbourg, France, Unit Life, Earth & Environmental Sciences Guest Lecturer KULeuven , Faculty of Applied Bioscience and Engineering, Belgium Postdoctoral Research Fellow , FWO, Flanders, Belgium (2006-2009)
May 2005 - May 2006	Senior Research Associate, Team leader Geomatics Engineering Group Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering, Biosystems Department, Leuven, Belgium
January 2001 – April 2005	Research Associate at the Geomatics group in the Department of Land Management Doctoral training program and project management of Flemish FWO-project G.0085.01 entitled "Consistent determination of Leaf Area Index based on digital hemispherical photography." Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering, Leuven, Belgium
January 2000 – May 2000 Summer 1999	Different collaborations with the Katholieke Universiteit of Leuven

ACADEMIC TEACHING

2001 –2008

- ✓ Lecturer "Earth Observation" in the Bio-engineering Master at the KUL, Faculty of Applied Bioscience and Engineering (FABSE), 90h (2005-2008)
- ✓ Lecturer "Land and Forest inventory" in the Bio-engineering Bachelor at the KUL, Faculty of Applied Bioscience and Engineering (FABSE), 30 h (2005-2006; 2007-2008)
- ✓ Lecturer "Remote sensing of Vegetative Systems" in the Bio-engineering Master at the KUL, FABSE, 60h (2007-2008; 2008-2009)

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- ✓ Lecturer "Vegetative Canopy Modelling" in the advanced Master program in Earth Observation at the KUL, FABSE, 60h (2005-2007)
 - ✓ Assistant "Earth observation" in the third year of Bio-engineering Bachelor at the KUL, Faculty of Applied Bioscience and Engineering (FABSE), 90h (2001-2005)
 - ✓ Assistant "Reference database establishment" in the advanced Master program in Earth Observation at the KUL, FABSE, 30h (2000-2001)
 - ✓ Assistant "Vegetative canopy modelling" in the advanced Master program in Earth Observation at the KUL, FABSE, 60h (2001-2005)
 - ✓ Assistant "Introduction to the agricultural, bio-industrial and environmental sciences" in the first year of Bachelor Bio-engineering, KUL, FABSE, 30h (2004-2006)
 - ✓ Supervision of undergraduate thesis "Structure description of fruit orchards by means of Lidar" by Dimitry Van Der Zande

RESEARCH INTERESTS

Remote sensing applications, Land cover & land use and forest assessment & management, (Digital) image processing, Biodiversity and carbon studies, Hazard assessment, Environmental modeling, Earth observation, Forestry in situ applications (lidar, hemispherical photography,..), UNFCCC policies and implementation, Cultural heritage applications with RS

PROFESSIONAL AFFILIATIONS

Memberships: IEEE, AGU, EGU, BES, EPWS, Euroscience

Regular external reviewer:

Annals of Forest Science, Boreal Environment Research, Trees- Structure and Function, Trees, Tree Physiology, Forest Ecology and Management, Geocarto International, Ecological Modelling, Ecological Informatics, International Journal of Remote Sensing, Remote Sensing, Canadian Journal of Remote Sensing, iForest, Remote Sensing of Environment, IEEE Transaction on Geoscience and Remote Sensing, Agricultural and Forest Meteorology, International Journal of Biometeorology, Sensors, Journal of Forest Research, European Journal of Forest Research, Field Crops Research, Sylva Fennica, Agricultural Sciences in China, Transactions on Intelligent Systems and Technology, Journal of Selected Topics in Earth Observations and Remote Sensing, International Journal of Applied Earth Observation and Geoinformation, Scientia Horticulturae, Carbon Balance and Management

Editorial Board Research & Reviews in Bioscience, Authorship: over 20 international conference proceedings, 25 peer reviewed papers and book chapters

Member Scientific Committee IGARSS (2008-2015), Expert in FP7 (EC) (2006-2014), Member Scientific Subcommittee BiodivERSA

Organizer and co-organizer of several international workshops and conferences or sessions (Marbef, EGU, AGU, IUFRO, etc.)

Since 2011: Official GHG Expert for UNFCCC roster of Experts (Belgium)

Since 2013: Official reviewer for GHG-LULUCF sector for Annex I countries for UNFCCC

ADMINISTRATION

2001 –2005

Faculty council member at the KUL, Faculty of Applied Bioscience and Engineering
Representative of the scientific personnel at postdoctoral level at the Faculty of Applied Bioscience and Engineering, KUL

COMPUTER SKILLS

Office XP (Word, Access, Excel, Visio, Outlook etc.)
Programming: Linux, html, Pascal, IDL, PHP, Perl, notions C++
Graphics: Adobe Photoshop, Coreldraw
Statistics: SAS, SPSS, Matlab
Image Processing: Arcinfo, ArcGIS, ENVI, Idrisi32, Tntmips, PCI
Geomatics, ERDAS, SPRING, QGIS

LANGUAGE SKILLS

	Dutch	Mother tongue			
			Understanding	Speaking	Writing
	English		Excellent	Excellent	Excellent
	Italian		Excellent	Excellent	Excellent
	French		Excellent	Excellent	Excellent
	Spanish		Excellent	Good	Moderate
	German		Good	Moderate	Moderate
	Portuguese		Good	Moderate	Moderate

GRANTS AND AWARDS

Great Minds of the 21st Century, Edition 2009, 2010
World Who's Who of Women, 15th Edition 2009, 2010; Leading Engineers of the World, Edition 2008; Who's Who in The World, Edition 2007, 2008, 2009

Post-doctoral grant of the Flemish Science Foundation (FWO), BE
October 2006 – October 2009

Laureate of the Prize 'Belgian Stichting Roeping', promotion 2006 Jean Vandamme

Post-doctoral grant (PDM) of the KULeuven Research Council (BOF)
January 2006 – January 2007; October 2009 – December 2009

Personal research grant of the Flemish Community for research in the EU
September 2000 - February 2001

European project "Centre of Excellence in remote sensing of terrestrial ecosystem dynamics", DWTC VGT, Euro 594.945, grant period 2002-2005, promotor Prof. Pol Coppin

HOBBIES

Sports: running, swimming, cycling, dancing
Music and Literature
Cinema and Photography
Fashion design
Scouts: active member and leader from '93 till '99 VVKM Groeninghe Kortrijk
Travelling, discovering other cultures

ADDITIONAL QUALIFICATIONS

2002-2003	Diploma Spanish: 2nd year cum laude at CLT, Leuven, BE
June 2003	Certificate 'Academic writing for doctoral students', Group Exact Sciences, KULeuven, Leuven, BE
June 2002	Diploma Italian: Diploma of the Flemish Community obtained with honours (90%), GroepT, Leuven, BE
1997-1998	Praesidium member Landbouwkring Leuven, BE
1994-1995	Praeses Lyceum O-L-Vr-van-Vlaanderen, BE